| Index of Ci | aims |                              | Applic | atio  | n/Control No. | Applicant(s)/Patent under Reexamination |              |  |  |  |  |  |
|-------------|------|------------------------------|--------|-------|---------------|---|--------------|--|--|--|--|--|
|             |      |                              | 10/641 | 1,14  | 19            |   | TOBIN ET AL. |  |  |  |  |  |
|             |      |                              | Exami  | ner   |               | Art Unit                                |              |  |  |  |  |  |
|             |      | ( <b>[[</b> ]                | Gabrie | ele l | E. BUGAISKY   |   | 1656         |  |  |  |  |  |
|             |      |                              |        | _     |               |   |              |  |  |  |  |  |
| √ Rejected  |      | (Through numera<br>Cancelled | al)    | N     | Non-Elected   | A                                       | Appeal       |  |  |  |  |  |
| = Allowed   | ÷    | Restricted                   |        | П     | Interference  |   | Objected     |  |  |  |  |  |

| Ci          | nion.    | n Date   |              |          |          |              |  | 1  | Claire   |          |          |          |          |  |                 | ۱۰       |          | -!      | D-1-     |          |        |                   |       |            |                |                    |          |              |          |          |          |   |
|-------------|----------|----------|--------------|----------|----------|--------------|--|--|--|----------|----------|----------|----------|--|-----------------|----------|----------|---------|----------|----------|--------|-------------------|-------|------------|----------------|--------------------|----------|--------------|----------|----------|----------|---|
| <u>Ula</u>  | aim<br>I |          |              |          |          |              | Claim Date                                       |  |  |          |          |          |          | Cla  | aim             | Date     |          |         |          |          |        |                   |       |            |                |                    |          |              |          |          |          |   |
| Final       | Original | 3/17/200 |              |          |          |              |  |  |  |          |          | Final    | Original |  |                 |          |          |         |          |          |        |                   | Final | Original   |                |                    |          |              |          |          |          |   |
|             | 1        |          |              |          |          |              |  |  |  |          | 1        |          | 51       |  |                 |          |          | T       |          |          |        |                   |       | 101        | 一              | 十                  | T        |              | П        |          | ヿ        | _ |
|             | 2        |          |              |          |          |              |  |  |  |          | 1.       |          | 52       | Г  | П               |          | $\neg$   | Т       | П        | $\sqcap$ |        | 139               |       | 102        | $\neg$         | $\top$             | 1        |              |          |          |          |   |
|             | 3        |          |              |          |          |              |  |  |  |          | ľ        |          | 53       |  |                 |          |          |         |          |          |        |                   |       | 103        |                |                    |          |              |          |          |          |   |
|             | 4        | L        |              |          |          |              |  |  |  |          | ŀ        |          | 54       |  |                 |          |          |         |          |          |        | -                 |       | 104        |                |                    |          |              |          |          |          |   |
|             | 5        |          |              |          |          |              |  |  |  |          |          |          | 55       |  |                 |          |          | $\Box$  |          |          |        |                   |       | 105        |                | $oxed{\mathbb{T}}$ |          |              |          |          |          |   |
|             | 6        | L        | L            |          | _        | _            | L  | L  |  |          |          |          | 56       |  |                 |          |          |         |          |          |        |                   |       | 106        |                |                    |          |              |          |          |          |   |
|             | 7        | _        | L            |          |          | _            |  | <u> </u>   | $ldsymbol{ld}}}}}}$ |          | Į į      |          | 57       |  |                 |          |          |         |          |          |        |                   |       | 107        |                |                    |          |              |          |          |          |   |
|             | 8        | _        |              |          |          | _            | L  | L  |  |          | ]        |          | 58       | L  | Ш               |          | ┸        |         |          |          |        | t.                |       | 108        |                |                    |          |              |          |          |          |   |
| <u> </u>    | 9        | <u> </u> | _            |          |          | _            | <u> </u>   | <u> </u>   | _  |          | ļ        |          | 59       | 乚  | $\sqcup$        |          |          | $\perp$ |          |          |        | 3.0               |       | 109        |                |                    | $\perp$  |              | Ш        |          | $\perp$  |   |
| <u> </u>    | 10       | L        | L            |          |          | _            | ᆫ  |  | _  |          |          |          | 60       | <u> </u>   |                 |          |          | 丄       |          |          |        |                   |       | 110        |                |                    | $\perp$  | 丄            |          |          |          |   |
| L           | 11       | <u> </u> | <u> </u>     | Щ        |          | <u> </u>     | <u> </u>   | <u> </u>   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$  | L        |          |          | 61       |  | $\sqcup$        |          | $\perp$  | ↓_      | Ш        | Ш        |        |                   |       | 111        |                | $\perp$            |          | 1_           |          |          | [        |   |
|             | 12       |          |              |          | L.       | _            | 1_   | L  |  |          | 1        |          | 62       | Ш  | Ш               | 4        |          | ┖       |          |          |        | 2.00              |       | 112        | $\perp$        |                    | <u> </u> | _            | Ш        |          |          |   |
| <u> </u>    | 13       | <u> </u> | <u> </u>     | <u> </u> | <u> </u> | <u>—</u>     | <u> </u>   | <u> </u>   | <u> </u>   |          |          | L        | 63       | $\vdash$   | $\sqcup$        | $\dashv$ | _        | ╄       | Щ        |          |        | z                 |       | 113        | $-\!\!\!\perp$ | $\perp$            | 1_       | <u> </u>     | Ш        | Ц        | ļ        |   |
|             | 14       |          |              |          | _        | <u> </u>     | _  | _  |  | L.,      |          |          | 64       | _  |                 | _        | 4        | 4_      | <u> </u> | $\dashv$ |        | <br>%.            |       | 114        |                | $\perp$            | ┺        | _            | L        |          | _        |   |
| <u> </u>    | 15       | <u> </u> | <u> </u>     | Щ        | _        | <u> </u>     | 1_   | <u> </u>   | <b> </b>   | _        |          |          | 65       | oxdot  | $\sqcup$        | _        | _        | ↓_      | Щ        | Щ        |        |                   |       | 115        |                | $\perp$            | $\perp$  | $oxed{oxed}$ | Ш        | Ш        | ļ        |   |
|             | 16       | _        | <u> </u>     |          | _        | <u> </u>     | _  | _  |  |          |          |          | 66       | L  | $\sqcup$        | _        | $\bot$   | ╄       | 1        |          |        | dig               |       | 116        |                |                    | ╄        |              | Ш        |          | _        |   |
| <u> </u>    | 17       |          | <u> </u>     |          | _        | _            | _  | _  |  |          | 1        |          | 67       | L  | $\sqcup$        | _        | 4        | ╄       | <u> </u> | _        |        | ···               |       | 117        | _              | 1                  | <u> </u> |              | L        |          | _        |   |
|             | 18       | _        |              |          | _        | _            |  | L  | <u> </u>   |          |          |          | 68       | <u> </u>   | $\sqcup$        | _        |          | ↓_      | <u> </u> | _        |        | I de              |       | 118        |                | _                  | 1        | ┖            |          |          | $\dashv$ |   |
|             | 19       | _        |              |          | _        | ⊢            | _  | ⊢  | _  |          | L        |          | 69       | <u> </u>   | Н               | _        | +        | ╀-      | $\vdash$ |          |        | 3.7               |       | 119        |                | _                  | <u> </u> | ļ.,          | Ш        |          | _        |   |
|             | 20       | _        |              |          | _        | <u> </u>     | _  | <u> </u>   |  |          |          |          | 70       | <b>├</b>   |                 | 4        |          | ـ       | $\vdash$ | Н        |        |                   |       | 120        | _              | 4                  | ↓_       | <b> </b>     | Ш        |          | _        | _ |
|             | 21       | ⊢        | -            |          |          | _            | _  | _  | <u> </u>   |          | -        | <u> </u> | 71       | <b>├</b> _                                       | $\vdash$        | 4        | - -      | ╀       | _        |          |        | , ii              |       | 121        | $\dashv$       | _                  | ╄        | ₽            | L        | Ц        | _        | _ |
| ⊢           | 22       | <u> </u> | -            | Н        |          | <del> </del> | ⊢  | ├-   |  |          | <b> </b> | _        | 72       | <u> </u>   | $\vdash$        | _        | -        | ╀       | $\vdash$ |          |        | $N_{\mathcal{G}}$ |       | 122        | _              | 4_                 | ╀        | <u> </u>     | Ш        |          | _        |   |
| <u> </u>    | 23       | <u> </u> |              |          |          | <u> </u>     | <u> </u>   | <del> </del> —                                   | _  | _        |          |          | 73       | ▙  | $\vdash \vdash$ | _        |          | ╀       | $\vdash$ |          |        | de,               |       | 123        |                | 4_                 | ↓_       | _            |          |          | $\dashv$ |   |
| <b>-</b>    | 24<br>25 |          | H            | -        | _        | -            | <u> </u>   |  |  | _        |          |          | 74       | ⊢  | $\vdash$        | -        | +        | ┥       | ╄        |          |        |                   |       | 124        | _              | _                  | ـ        | ـــــ        | Ш        |          | $\dashv$ |   |
|             | 26       | ├        | <del> </del> | -        | _        | -            | ⊢  | ├  | $\vdash$   |          |          |          | 75       |  | $\vdash$        | -        |          | ╄       | $\vdash$ | -        | _      |                   |       | 125        |                | +                  | ╄        | <u>_</u>     | -        |          | $\dashv$ | _ |
| <u> </u>    | 27       | $\vdash$ | <u> </u>     | $\dashv$ |          | ⊢            | -  | <del> </del>                                     | _  |          | ,.       |          | 76<br>77 | <u> </u>   | $\vdash \vdash$ | +        | +        | +-      | $\vdash$ |          |        | W !               |       | 126        | $\dashv$       | 4                  | ╄        | ↓_           | Ш        |          | _        | _ |
| <del></del> | 28       | ┝        | ├─           | $\vdash$ |          | ├            | ├  | ┢  | _  | _        | 1 -      |          | 78       | -  | $\vdash$        | -+       | +        | ╁       | -        |          |        | ld.               |       | 127        |                |                    | +-       | ⊢            | -        | _        | _        |   |
|             | 29       | $\vdash$ | ├            | Н        | _        | ┝            | -  | ⊢  | -  | -        |          |          | 79       | -  | $\vdash$        |          |          | +       | $\vdash$ | $\vdash$ |        |                   |       | 128        |                |                    | ╄        | ₩            | -        |          | -        | _ |
| <del></del> | 30       | ┝        |              | $\vdash$ | _        | -            | ┝  | ├  | $\vdash$   | _        | 1        |          | 80       | ├  | $\vdash$        | -+       | +        | ╁       | $\vdash$ | -        |        |                   |       | 129<br>130 |                | +-                 | ╁        |              | Н        |          | $\dashv$ |   |
| _           | 31       |          |              | -        | _        | $\vdash$     | -  | $\vdash$   | $\vdash$   | _        |          |          | 81       | H  | $\vdash$        | +        | - -      | ╁       |          | $\vdash$ | _      | - 4               |       | 131        | +              | +-                 | ╁        | -            | Н        | _        |          | _ |
|             | 32       | -        |              | -        | _        | ├─           |  | $\vdash$   | H  | _        |          |          | 82       | ├  | $\vdash$        |          | -        | ╁       | $\vdash$ | -        | _      |                   |       | 132        | +              | +-                 | ╁        | ⊢            |          | -        |          | _ |
|             | 33       | -        | $\vdash$     |          | _        | ┢            | <del>                                     </del> | ⊢  | _  | _        | 4 1      | _        | 83       | $\vdash$   | $\vdash$        | +        | ╌        | +       | ╁╌       | $\dashv$ | _      |                   |       | 133        |                | +                  | ╁        | ┝            | Н        | -        | $\dashv$ |   |
| $\vdash$    | 34       | Н        | $\vdash$     | $\vdash$ |          |              | <del>                                     </del> | Н  | -  | _        |          |          | 84       | $\vdash$   | $\vdash$        | +        | +        | +       | $\vdash$ | $\vdash$ | _      | -                 |       | 134        |                | +                  | ╁        | ╁            | Н        |          | $\dashv$ |   |
|             | 35       | $\vdash$ |              | $\vdash$ | _        |              | <b> </b>   | $\vdash$   |  |          | 5.5      |          | 85       | $\vdash$   | $\vdash$        | +        | +-       | +       | $\vdash$ | $\vdash$ | -      |                   |       | 135        | +              | +                  | +        | $\vdash$     | H        | $\dashv$ | $\dashv$ | _ |
|             | 36       |          | -            | $\vdash$ | —        | $\vdash$     | -  | <del>                                     </del> | $\vdash$   | _        |          |          | 86       |  | ┝┼              | +        | +        | +       | +        | $\dashv$ | _      | en t              |       | 136        | +              | +                  | +        | +-           | Н        | -        | $\dashv$ | _ |
|             | 37       | $\vdash$ |              |          |          |              | $\vdash$   |  | _  | _        | 1        |          | 87       | -  | $\vdash$        | $\dashv$ |          | +       |          |          | _      | -                 |       | 137        | -+             | +                  | ╁        | ┢            | Н        | $\dashv$ | $\dashv$ |   |
|             | 38       | $\vdash$ | $\vdash$     |          | $\vdash$ | ┢            | $\vdash$   | <del>                                     </del> |  | _        |          | _        | 88       | <del>                                     </del> | $\vdash$        |          | +        | +       | $\vdash$ | -        |        |                   |       | 138        | +              | +                  | ╁        | $\vdash$     | Н        | -        | -        | _ |
|             | 39       | 1        | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$     | Н  | Т  |  |          | -        |          | 89       | Н  | $\vdash$        | +        | +        | +       | $\vdash$ | $\vdash$ |        | 21                |       | 139        | $\dashv$       | +                  | ╁        | ╁╾           | Н        | $\dashv$ | $\dashv$ |   |
|             | 40       | -        |              |          | $\vdash$ | Т            | Т  | Г  | _  | $\vdash$ | 1        |          | 90       | Н  | $\vdash$        | $\dashv$ | +-       | $\top$  | Н        | $\dashv$ |        | 1.0               |       | 140        | +              | +                  | +        | 1-           | H        | $\dashv$ | $\dashv$ | _ |
|             | 41       | 1        | $\vdash$     | П        |          | T            |  | Г  |  | _        |          |          | 91       | Н  | $\vdash$        | $\dashv$ | 十        | +       | Н        | 1        |        | - 100             |       | 141        | $\dashv$       | +                  | +        | $t^-$        | Н        | $\vdash$ | -        |   |
|             | 42       | 1        | $\Box$       |          | $\Box$   | T-           |  | <del>                                     </del> | П  |          | 1        |          | 92       |  | -               | 十        | $\top$   | +       | $\vdash$ | $\dashv$ | _      |                   |       | 142        | $\dashv$       | T                  | 十        | T            | H        | -        | +        | — |
|             | 43       |          |              |          |          | _            |  |  |  |          | 1        |          | 93       | 1  | $\vdash$        | $\top$   | $\top$   | +       | $\vdash$ | $\dashv$ | _      |                   |       | 143        | $\dashv$       | +                  | +        | ┢            | Н        | $\dashv$ | -        | _ |
|             | 44       |          |              |          |          | Г            | Г  | Г  |  |          | 1        |          | 94       | П  | $\vdash$        | +        | $\top$   | T       | П        | -        | _      |                   |       | 144        | $\dashv$       | +-                 | †-       | $\vdash$     | Н        | $\dashv$ | $\dashv$ |   |
|             | 45       | П        |              |          |          | 1            | Г  | T  |  |          | 1        |          | 95       |  | $\vdash$        | $\top$   | 十        | 1       | Н        | $\dashv$ | _      |                   |       | 145        | -              | +-                 | +-       | $\vdash$     | Н        | +        | +        |   |
|             | 46       | $\Box$   |              | П        |          | T            | Г  | Г  |  |          | 1        |          | 96       | $\Box$   | $\vdash$        | $\dashv$ | $\top$   | †       | Н        | $\vdash$ | -      |                   |       | 146        | +              | +-                 | +        | $\vdash$     | H        | $\dashv$ | +        | _ |
|             | 47       |          |              |          |          | Г            | П  | Г  |  | _        | 1        |          | 97       | П  | $\Box$          | _        | $\top$   | T       | П        | +        | $\neg$ |                   |       | 147        | $\dashv$       | $\top$             | T        |              | Н        | $\dashv$ |          | _ |
|             | 48       |          |              |          |          |              |  |  |  |          | 1        |          | 98       | ┪  | $\sqcap$        | $\dashv$ | $\top$   | T       | П        | $\dashv$ | _      |                   |       | 148        | $\dashv$       | +                  | T        | Т            | Н        | $\dashv$ | _        | _ |
|             | 49       |          |              |          |          | ı            |  |  |  |          | 1        |          | 99       |  | $\vdash$        | $\top$   | 十        | 1       | H        | $\dashv$ | _      |                   |       | 149        | $\dashv$       | $\top$             | T        |              | Н        | +        | ┰┼       | _ |
|             | 50       |          |              |          | -        | _            |  | П  | _  |          | 1        |          | 100      | П  | $\vdash$        | -        | $\dashv$ | $^{+}$  | $\vdash$ | -        | $\neg$ |                   |       | 150        | +              | +                  | +-       | 1            | $\vdash$ |          | $\dashv$ | _ |